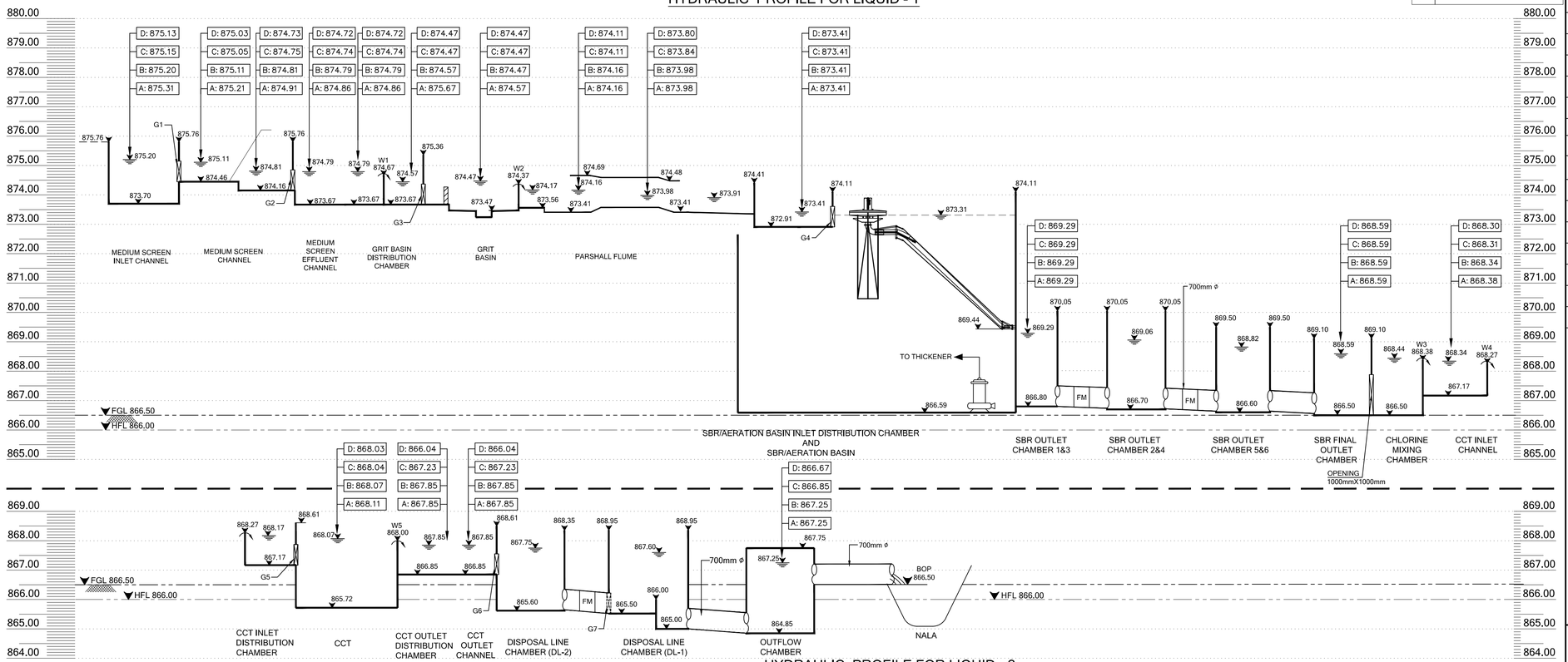
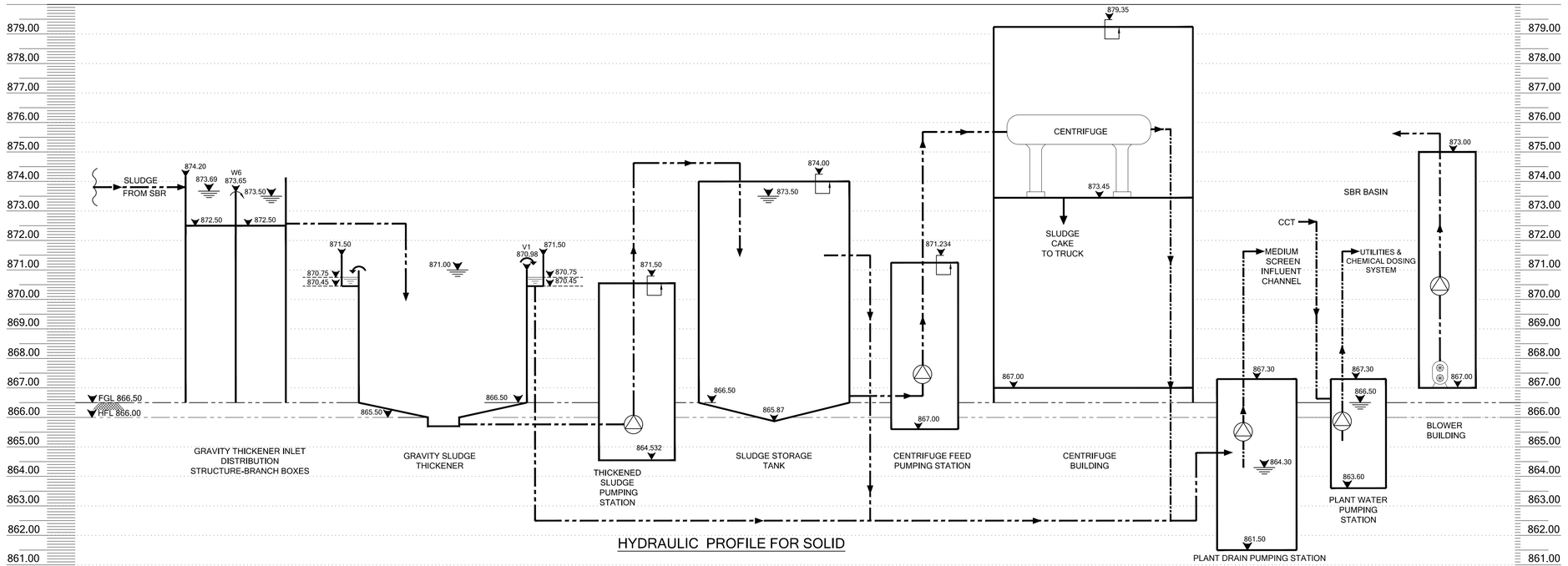
D Lean Flow
C Average Flow
B Peak Flow
A Maximum Flow

HYDRAULIC PROFILE FOR LIQUID - 1



HYDRAULIC PROFILE FOR LIQUID - 2



HYDRAULIC PROFILE FOR SOLID

WEIR/V NOTCH SCHEDULE

SI NO.	LOCATION	NO.	WEIR L(m)	TOP OF WEIR	HEAD OVER WEIR
W1	Grit Basin Inlet Distribution Chamber	2	3	874.67	120mm
W2	Grit Chamber Outlet	2	4.7	874.37	100mm
W3	Chlorine Mixing Chamber Outlet	1	1.5	868.38	60mm
W4	CCT Inlet Distribution Chamber	2	7.2	868.27	70mm
W5	CCT Outlet	2	7.2	868.00	70mm
W6	Thickener Inlet Distribution	2	1	873.65	40mm
V1	Thickener Outlet (V notch with 200mm C/C)	2	–	870.98	20mm

GATE SCHEDULE

SI NO.	LOCATION	NO.	OPENING SIZE	IL OF OPENING	TOP OF OPENING
G1	Medium Screen Inlet Channel	3	700x700	874.46	875.16
G2	Medium Screen Outlet Channel	3	700x700	875.16	874.86
G3	Grit Chamber Inlet	2	700x700	873.67	874.37
G4	SBR Inlet Distribution Chamber	4	700x900	872.91	873.81
G5	CCT Inlet Distribution Chamber	2	700x700	867.17	867.87
G6	CCT Flow Meter Bypass	2	700x700	866.85	867.55
G7	CCT Flow Meter	1	700ø	865.50	–

NOTE:–
1. FREE BOARD OF ALL STRUCTURE ARE BASED ON WATER LEVEL AT MAXIMUM FLOW.
2. HEAD LOSS CALCULATED ON THE BASIS OF PEAK FLOW.
3. ALL PROCESS AND MECHANICAL BUILDING AS PER APPROVED MECHANICAL GA
4. PLANT WATER PUMPING STATION AND PLANT DRAIN PUMPING STATION ARE AS PER APPROVED PLANT WATER UTILITY PLANT AND PLANT DRAIN PHILOSOPHY.

REFERENCE DRAWING :–
1. TOPOGRAPHICAL SURVEY – A1–KT001–CIVIL–02–001–R0
2. PROCESS DESIGN CALCULATION – A4/KT001/YSP/01/002/R3
3. PLANT LAYOUT FOR YELLAMALAPACHETTY 15 MLD STP – A1–KT001–YSP–P–02–01
4. LETTER KEC&WATERLEAU/BWSSB/S1eSTP/2014–15/149 , DATED 12/9/14 (FOR HFL REFERENCE)

ABBREVIATIONS
1. RL= REDUCE LEVEL.
2. LD= LIQUID DEPTH.
3. S.W.D.= SIDE WATER DEPTH
4. F.B. = FREE BOARD
5. BH= BOREHOLE
6. FGL= FINISHED GROUND LEVEL
7. CCT = CHLORINE CONTACT TANK

NJS–MM–TCE/BWSSB
DRAWING/DOCUMENT REVIEW STATUS

Date of receipt _____

A Approved,manufacture/construction may commence.
B Acceptable subject to change indicated.Resubmit for approval but manufacture/construction may commence.
C Amend as Comments indicated and resubmit for approval.
D Comments noted in letter/memo attached to approval.Transmittal Nr._____ dated _____ Amend as comments indicated and resubmit for approval
E Amend as comments indicated and resubmit for record
F Comments noted in letter/memo attached to forwarding.Transmittal Nr._____ dated _____ Amend as comments indicated and resubmit for record.
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Approval of drawings/documents does not absolve contractor/vendor from any responsibilities. For their accuracy or for the design,performance and safety of the plant/works or any other obligation under the contract and indian statuory laws nor does it limit the employer's right under the contract.

For NJS–MM–TCE Varified By_____ Date_____
For BWSSB Checked By_____ Date_____
Revied By_____ Date_____
Approved By Chief Engineer (Kaveri)_____ Date_____

PROJECT	CONTRACT S1e - SEWAGE TREATMENT PLANTS AT DODDABELE AND YELLAMALLAPPACHETTY AND INTERMEDIATE SEWAGE PUMPING STATION AND PUMPING MAINS AT SADARMANGALA
CLIENT	BANGALORE WATER SUPPLY & SEWERAGE BOARD
CONSULTANT	NIPPON JOGESUIDO SEKKEI CO. LTD. MOTT MACDOLALD LTD. TATA CONSULTING ENGINEERS LTD.INDIA
TITLE	HYDRAULIC FLOW DRAWING FOR YELLAMALAPACHETTY 15 MLD STP

DWG SIZE	A1		Name	Date
		DRAWN	SK	11.11.14
		CHECKED	VK	11.11.14
SCALE N.T.S		APPROVED	SS	11.11.14
		Dwg.No.	A1–KT001–YSP–P–02–02	

KEC-WATERLEAU

Sheet	Rev.
1 OF 2	2

REV.	DESCRIPTION	Date	DRAWN	CHKD.	APPD
2	ISSUE FOR APPROVAL	11.02.17	GR	SPS	SPS
1	ISSUE FOR APPROVAL	30.11.14	SK	VK	SS
0	ISSUE FOR APPROVAL	11.11.14	SK	VK	SS

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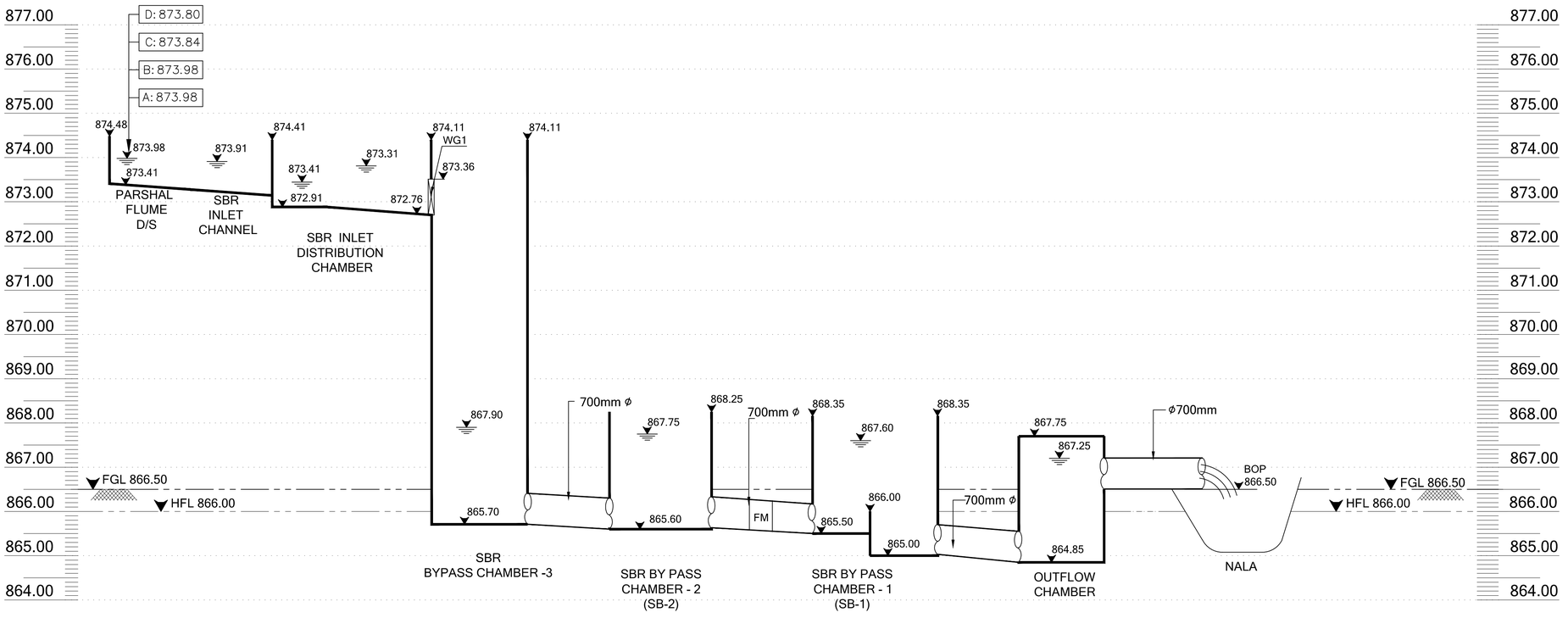
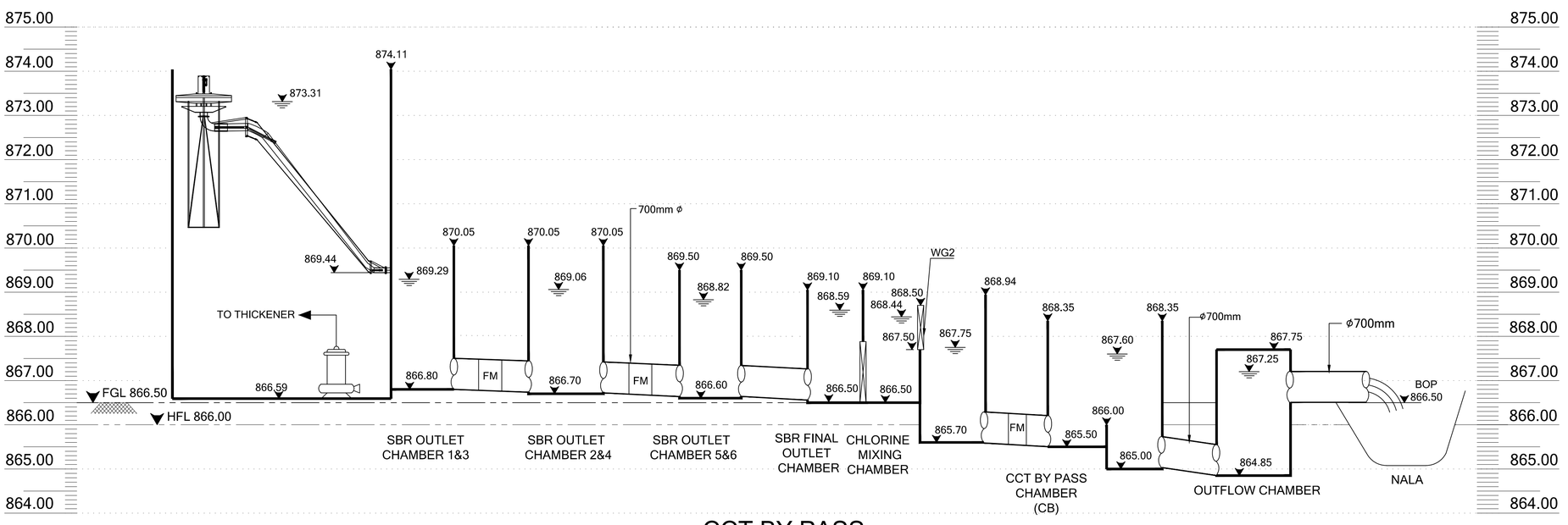
D	Lean Flow
C	Average Flow
B	Peak Flow
A	Maximum Flow



SBR BY PASS



CCT BY PASS

DOWNWARD WEIR GATE SCHEDULE

SI NO.	LOCATION	NO.	OPENING SIZE	IL OF OPENING	TOP OF OPENING
WG1	SBR Bypass	1	1000x600	872.76	873.36
WG2	CCT Bypass	1	1000x1000	867.50	868.50

NOTE:–
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2. HEAD LOSS CALCULATED ON THE BASIS OF PEAK FLOW.
3. ALL PROCESS AND MECHANICAL BUILDING ELEVATION ARE AS PER APPROVED MECHANICAL GA.

REFERENCE DRAWING :–
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2. PROCESS DESIGN CALCULATION – A4/KT001/YSP/01/002/R3
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		CHECKED	VK	11.11.14
		APPROVED	SS	11.11.14
SCALE N.T.S		Dwg.No.	A1–KT001–YSP–P–02–02	

KEC WATERLEAU water on wide newsway
KEC-WATERLEAU

Sheet	Rev.
2 OF 2	2

REV.	DESCRIPTION	Date	DRAWN	CHKD.	APPD
2	ISSUE FOR APPROVAL	11.02.17	GR	SPS	SPS
1	ISSUE FOR APPROVAL	30.11.14	SK	VK	SS
0	ISSUE FOR APPROVAL	11.11.14	SK	VK	SS

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